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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/591,632	09/05/2006	Martyn Vincent Twigg	JMYT-370US	3293
23122 RATNERPRES	7590 05/07/200 STIA	EXAMINER		
P.O. BOX 980		TAKEUCHI, YOSHITOSHI		
VALLEY FOR	GE, PA 19482		ART UNIT	PAPER NUMBER
			1793	
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			05/07/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/591,632	TWIGG, MARTYN VINCENT	
Office Action Summary	Examiner	Art Unit	
	YOSHITOSHI TAKEUCHI	1793	
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the c	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPI WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the maili earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tired will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on 20 2 This action is FINAL . 2b) ☐ Th Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro		
Disposition of Claims			
4) Claim(s) 1-8,10,15,16 and 18-24 is/are pendiday 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1-8,10,15,16 and 18-24 is/are reject 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/	awn from consideration.		
9) The specification is objected to by the Examir	ner		
10) ☐ The drawing(s) filed on <u>05 September 2006</u> is Applicant may not request that any objection to the Replacement drawing sheet(s) including the corre	s/are: a)⊠ accepted or b)⊡ object e drawing(s) be held in abeyance. Se ction is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Bures * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicat ority documents have been receive au (PCT Rule 17.2(a)).	ion No ed in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate	

Application/Control Number: 10/591,632 Page 2

Art Unit: 1793

DETAILED ACTION

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

- 2. Claims 1-8, 10, 15-16, and 18-24 are presented for examination, wherein all the claims were previously presented.
- 3. The previous rejections of claims 1, 3, 5, 7, and 18-23 as being anticipated by Foerster et al. (US 6,149,973) are withdrawn as a result of the applicant's arguments.

Claim Rejections - 35 USC § 103

- 4. The text of those sections of the Title 35 U.S. Code not included in this section can be found in a prior Office action.
- 5. Claims **1-8**, **10**, **15**, **16**, and **18-23** are rejected under 35 U.S.C. 103(a) as being unpatentable over Foerster et al (US 6,149,973).

Foerster is applied to the claims 1-8, 10, 15, 16, and 18-23 for the same reasons stated in the previous Office action.

5. Claim **24** is rejected under 35 U.S.C. 103(a) as being unpatentable over Foerster et al (US 6,149,973) in view of Ogawa et al (US 5,733,352)

Foerster suggests the method of claim 15 with a ceramic catalyst carrier (Column 1, lines 28-34), but Foerster does not teach the ceramic filter made of a thermet, wherein the thermet is selected from a group consisting of Al_2O_3/Fe , Al_2O_3/Ni and B_4C/Fe .

Ogawa teaches a honeycomb structure having a porous cell wall used to form a diesel particulate filter (abstract), wherein the material is a thermet such as Al_2O_3/Fe , Al_2O_3/Ni and B_4C/Fe (column 4, lines 29-30).

As a result, it would have been obvious to a person of ordinary skill at the time of the invention to make the filter taught by Foerster with the filler material taught by Ogawa, since Ogawa teaches filter with specific filler material that is inert, an important characteristic for the Foerster filter filler material, since the filer material is a vehicle for carrying the catalyst, and should not react.

Response to Arguments

- 6. The applicant makes the following six arguments:
 - a. First, the applicant argues "Foerster never expressly discloses or contemplates a wall-flow filter, let alone a wall-flow filter which has evacuated channel walls" (response to Office action, p.7) since "Foerster discloses a honeycomb flow-through catalyst in which the catalyst flows along the length of the channels" (id, emphasis in the response to Office action) instead of across the walls.

In response, the examiner rejected claims 1, 3, 5, 7, 18-23 under 35 U.S.C. §§ 102(b) and 103(a). While this argument overcomes the § 102(b) rejection, it does not overcome the § 103(a) rejection.

The Foerster patent contemplates a wall-flow filter for the reasons provided in the prior Office action. As the applicant notes in the specification, "[a] typical wall-flow filter has a shape of a honeycomb, [wherein] a flowing exhaust gas stream passing through the

Application/Control Number: 10/591,632

Art Unit: 1793

cells..." (emphasis added). A wall-flow meter is not limited to only having gas flow across the walls, since the embodiment described in the specification is only "typical."

Page 4

b. Second, the applicant argues "Foerster never indicates that the vacuum step may be applied first, namely as a discrete step before then step of contacting the substrate with a liquid." (id, emphasis in the response to Office action).

In response, the claims do not require a vacuum step as a discrete step applied prior to contacting the substrate with a liquid. Foerster teaches the steps (a) and (b). The selection of any order of performing process steps is prima facie obvious in the absence of new or unexpected results. See In re Burhans, 154 F.2d 690 (CCPA 1946). See also MPEP § 2144.04(IV)(C).

c. Third, the applicant argues the Foerester patent would not work as a wall-flow meter, since "the walls for a honeycomb carrier are essentially impermeable to the flowing gas."

In response, please refer to the reply to the first argument.

d. Fourth, the applicant argues Foerester teaches away from the claimed invention by stating the mechanism of the filtration is different from the instant invention.

In response, the instant invention does not claims the mechanism, but rather teaches a method of manufacturing, wherein the steps are not interlinked so as to require specific steps prior to other steps.

e. Fifth, the applicant argues for claim 2 that Foerster teaches away from reapplying the coating.

Application/Control Number: 10/591,632 Page 5

Art Unit: 1793

f. In response, as Foerster teaches it is "possible to apply the entire quantity of coating...iin a single operational cycle" and "[m]ultiple coatings...should be avoided" (column 2, lines 24-31). A reference may be relied upon for all that it would have reasonably suggested to one having ordinary skill the art, including nonpreferred embodiments. Merck & Co. v. Biocraft Laboratories, 874 F.2d 804 (Fed. Cir.), cert. denied, 493 U.S. 975 (1989). See MPEP § 2123.

g. Sixth, the applicant argues for claim 24 that the subject matter of Twigg et al (WO 2004/079167) and the claimed invention were commonly owned at the time of the invention.

In response, please find attached the revised rejection to claim 24 *supra*.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YOSHITOSHI TAKEUCHI whose telephone number is (571) 270-5828. The examiner can normally be reached on Monday-Thursday 9:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Roy King can be reached on (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/591,632 Page 6

Art Unit: 1793

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/Roy King/

Supervisory Patent Examiner, Art Unit

1793

/YOSHITOSHI TAKEUCHI/ Examiner, Art Unit 1793